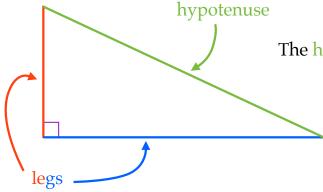
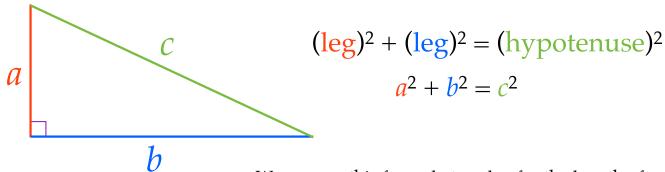
The sides of a right triangle have specific names.



The hypotenuse is the side opposite the right angle. It is always the longest.

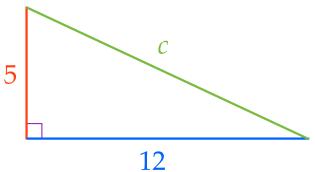
The other two sides are the legs.

In a right triangle, the sum of the squares of the legs is equal to the square of the hypotenuse.



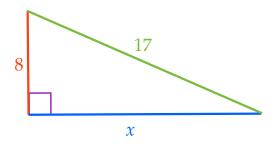
We can use this formula to solve for the length of a missing side of a right triangle.

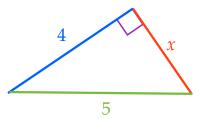
In a right triangle, the sum of the squares of the legs is equal to the square of the hypotenuse.



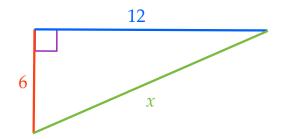
We can use this formula to solve for the length of a missing side of a right triangle.

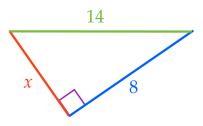
Solve for the missing side of the following right triangles.





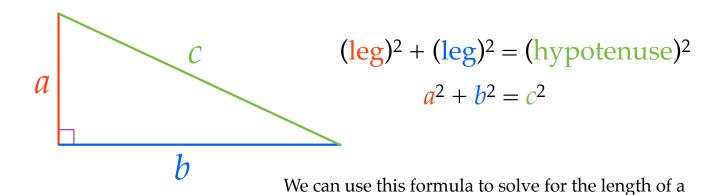
Solve for the missing side of the following right triangles.





Do the following side lengths create a right triangle?

In a right triangle, the sum of the squares of the legs is equal to the square of the hypotenuse.



missing side of a right triangle.